

Grade 3 - Scaled Graphs and Line Plots - Quiz

Common Core 3.MD.B.3, 3.MD.B.4 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This **graphs quiz** for 3rd Grade covers scaled graphs and line plots (Common Core 3.MD.B.3, 3.MD.B.4), with a free PDF to print.

This quiz has 10 questions about scaled picture graphs, scaled bar graphs, measuring to the fourth inch, and line plots. Each question has one correct answer. Check the key or scale before you choose, then read the explanation.

Grade 3 · Common Core State Standards: **3.MD.B.3, 3.MD.B.4**

Graphs quiz: 10 questions

Questions

Question 1

Each star stands for 6 shells. How many shells did Ana collect?

Shells Collected

Ana	
Ben	
Cora	

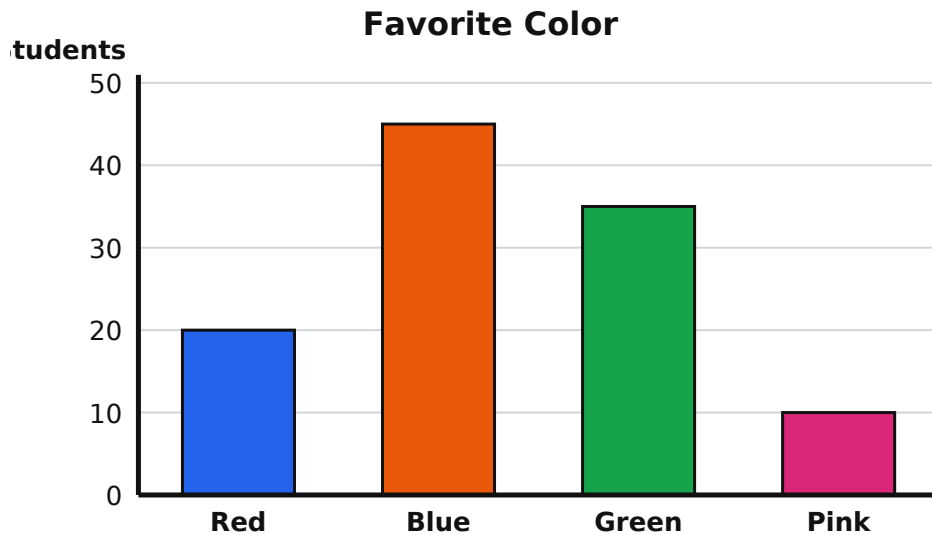
★ **Key: each star = 6 shells; half star = 3 shells**

Quiz graph.

- A. 7 shells
- B. 24 shells
- C. 42 shells
- D. 21 shells

Question 2

How many students chose Blue?

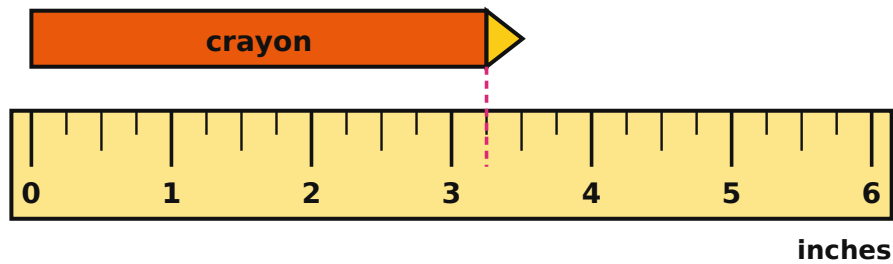


Quiz graph.

- A. 40
- B. 50
- C. 4
- D. 45

Question 3

What is the length of the crayon?



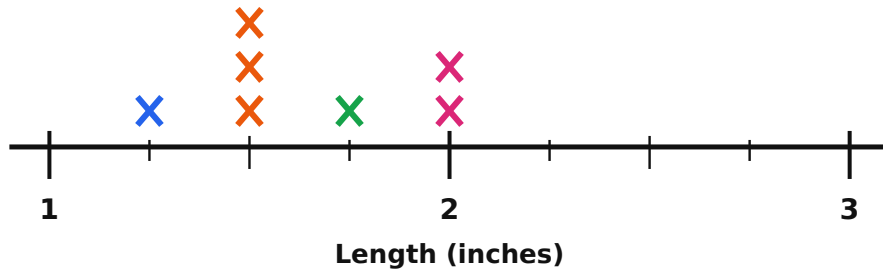
Quiz ruler.

- A. $\frac{1}{2}$ inches
- B. $\frac{3}{4}$ inches
- C. $\frac{1}{4}$ inches
- D. $\frac{1}{4}$ inches

Question 4

How many leaves are $\frac{1}{2}$ inches long?

Leaf Lengths



Quiz line plot.

- A. 6
- B. 3
- C. 4
- D. 7

Question 5

A bar ends halfway between 60 and 70. What number does it show?

- A. 61
- B. 65
- C. 64
- D. 75

Question 6

Each star stands for 10 students. Which shows 35 students?

- A. $\frac{1}{2}$ stars
- B. 35 stars
- C. 3 stars
- D. 4 stars

Question 7

Each star stands for 4 books. Ava has 6 stars and Ben has 3 stars. How many more books does Ava have?

- A. 3 books
- B. 12 books
- C. 9 books
- D. 36 books

Question 8

A line plot shows 2 plants at 6 inches, 4 plants at $6\frac{1}{2}$ inches, and 1 plant at 7 inches. How many plants were measured?

- A. 7 plants
- B. 4 plants
- C. 3 plants
- D. 19 plants

Question 9

How many fourth-inch marks are in 2 whole inches on a ruler?

- A. 2 marks
- B. 6 marks
- C. 8 marks
- D. 4 marks

Question 10

On a bar graph that counts by 5, Ben's bar is 35 and Cara's bar is 20. How many more is Ben's bar?

- A. 15
- B. 55
- C. 25
- D. 5

Answers

1. **D** – Ana has 3 whole stars and 1 half star: $18 + 3 = 21$. Counting each symbol as 1 gives 7.
2. **D** – The Blue bar stops halfway between 40 and 50, so it shows 45.
3. **C** – The end is 1 short mark past 3, which is one fourth. Counting 2 marks gives $3 \frac{1}{2}$.
4. **B** – Count the Xs above $1 \frac{1}{2}$. There are 3.
5. **B** – Halfway between 60 and 70 is $60 + 5 = 65$.
6. **A** – 35 is 3 tens and 5 more, and 5 is half of 10. So draw 3 whole stars and 1 half star.
7. **B** – Ava has 24 and Ben has 12. $24 - 12 = 12$. Subtracting the star counts gives 3.
8. **A** – Add the Xs: $2 + 4 + 1 = 7$. A single stack is not the total.
9. **C** – Each inch has 4 fourths, and $2 \times 4 = 8$.
10. **A** – Subtract: $35 - 20 = 15$. Adding would give 55.

Remember

Remember

- The key tells what one symbol is worth; a half symbol is worth half.
- On a bar graph, read the scale before reading a bar.
- A bar halfway between two lines is halfway between their values.
- A ruler is marked in inches, halves, and fourths.
- On a line plot, each X is one measurement.

How to use this graphs quiz

Answer each question, read the explanation that appears, and keep track of your score. A score of 8 out of 10 or more means you are ready for the test.

Download the graphs quiz as a PDF with the button below and keep it with your notes.